

Amendment to the Claims:

Please cancel the claims 1-46 presently on file without prejudice and replace them with the following claims 47-88.

Claim 47 (New). An application file to be carried on an optical disc, comprising: information and control data for an application incorporated in the application file; and wherein, to provide copy protection for the application, DSV data patterns are incorporated in the application file, the DSV data patterns being located in the application file in a manner to ensure that they will be accessed by a player or a reader of an optical disc carrying the application file.

Claim 48 (New). An application file according to claim 47, wherein the DSV data patterns are located in the information incorporated in the application file.

Claim 49 (New). An application file according to claim 48, wherein the DSV data patterns are incorporated in locations of the application file which are normally accessed upon use of the application file.

Claim 50 (New). An application file according to claim 47, wherein the DSV data patterns are located in control data incorporated in the application file or in control data incorporated in a header of the application file.

Claim 51 (New). An application file according to claim 50 wherein the DSV data patterns are incorporated in locations of the application file which are normally accessed upon use of the application file.

Claim 52 (New). An application file according to claim 47, wherein control data in the application file or control data in a header of the application file includes at least one pointer or offset pointing to the location of DSV data patterns in the application file.

Claim 53 (New). An application file according to claim 47, wherein the DSV data patterns are chosen to cause DSV problems for optical disc writers.

Claim 54 (New). An application file according to claim 47, wherein the DSV data patterns are chosen to ensure that the DSV has a significant absolute value.

Claim 55 (New). An application file according to claim 47, wherein the DSV data patterns are repeated patterns of values.

Claim 56 (New). An application file according to claim 47, wherein the size of the DSV data patterns is a predetermined amount.

Claim 57 (New). An application file according to claim 47, wherein the DSV data patterns are arranged to produce a DSV which has a rapid rate of change.

Claim 58 (New). An application file according to claim 47, wherein the DSV data patterns are arranged to produce a DSV which has a substantial low frequency component.

Claim 59 (New). An application file according to claim 47, wherein areas of data containing only zeros are incorporated in the application file in one or more areas located before and after areas containing the DSV data patterns.

Claim 60 (New). An application file according to claim 47, wherein the information in the application file comprises one or more of: audio data, numerical data, text data, video data, graphics data, program data, animation data and any other data.

Claim 61 (New). An application file according to claim 47, wherein the control data in the application file comprises one or more of: descriptors of the information and data enabling access to the information.

Claim 62 (New). An application file according to claim 61, wherein the access enabling control data comprises navigation and/or timing data.

Claim 63 (New). An application file to be carried on an optical disc, comprising: information and control data for an application incorporated in the application file; and wherein, to provide copy protection for the application, DSV data patterns are incorporated in the application file, DSV data patterns being located in the information incorporated in the application file, and DSV data patterns also being located in the control data in the application file, wherein the control data is incorporated in the application file or is incorporated in a header to the application file.

Claim 64 (New). A method of copy protecting an application, where the application is provided by an application file to be carried on an optical disc and incorporates information and control data, the method comprising:

incorporating into the application file, before its application onto an optical disc, DSV data patterns.

Claim 65 (New). A method of copy protecting an application according to claim 64, further comprising locating the DSV data patterns in the application file in a manner to ensure that they will be accessed by a player or reader of an optical disc carrying the application file.

Claim 66 (New). A method of copy protecting an application according to claim 65, further comprising locating the DSV data patterns in the information incorporated in the application file.

Claim 67 (New). A method of copy protecting an application according to claim 65, wherein the application file has control data which is incorporated in the application file or in a header to the application file, and further comprising locating the DSV data patterns in the control data.

Claim 68 (New). A method of copy protecting an application according to claim 66, wherein the DSV data patterns are incorporated in locations of the application file which are normally accessed upon use of the application file.

Claim 69 (New). A method of copy protecting an application according to claim 65, wherein the application file has control data incorporated in the application file or in a header to the application file, and further comprising including at least one pointer or offset in the control data which points to the location of the DSV data patterns in the application file.

Claim 70 (New). A method of copy protecting an application according to claim 65, wherein said DSV data patterns have been chosen to cause DSV problems for optical disc writers.

Claim 71 (New). A method of copy protecting an application according to claim 65, wherein the DSV data patterns are chosen to ensure that the DSV has a significant absolute value.

Claim 72 (New). A method of copy protecting an application according to claim 65, wherein the DSV data patterns are repeated patterns of values.

Claim 73 (New). A method of copy protecting an application according to claim 65, wherein the size of the DSV data patterns is a predetermined amount.

Claim 74 (New). A method of copy protecting an application according to claim 65, wherein the DSV data patterns are arranged to produce a DSV which has a rapid rate of change.

Claim 75 (New). A method of copy protecting an application according to claim 65, wherein the DSV data patterns are arranged to produce a DSV which has a substantial low frequency component.

Claim 76 (New). A method of copy protecting an application according to claim 65, further comprising incorporating into the application file areas containing only zeros, the areas containing only zeros being incorporated in one or more areas located before and after areas containing the DSV data patterns.

Claim 77 (New). A method of copy protecting an application, where the application is provided by an application file to be carried on an optical disc and incorporates information and control data, the method comprising:

incorporating into the application file, before its application onto an optical disc, DSV data patterns;

wherein DSV data patterns are located in the information incorporated in the application file; and

wherein DSV data patterns are also located in control data of the application file, the control data being incorporated in the application file or in a header to the application file.

Claim 78 (New). A copy protected optical disc carrying an application, wherein the application is defined by an application file incorporating information and control data, wherein the application file has been applied to the optical disc, and wherein, to provide copy protection for the application, DSV data patterns have been incorporated in the application file before its application onto the optical disc.

Claim 79 (New). A copy protected optical disc carrying an application according to claim 78, wherein the application file has been applied to the optical disc by a mastering process utilizing an encoder with "look ahead" capabilities.

Claim 80 (New). A copy protected optical disc carrying an application according to claim 78, wherein the application file has been applied to the optical disc by a mastering process utilizing an encoder controlling a laser beam recorder.

Claim 81 (New). A storage device for use in a process of mastering optical discs, comprising:

an application file to be carried on the optical discs and carried in the storage device; information and control data for an application incorporated in the application files; and wherein DSV data patterns are incorporated in the application file before its application onto the optical disc.

Claim 82 (New). A storage device for use in a process of mastering optical discs according to claim 81, wherein the DSV data patterns are located in the application file in a manner to ensure that they will be accessed by a player or a reader of an optical disc carrying the application file.

Claim 83 (New). A storage device for use in a process for mastering optical discs according to claim 81, wherein the DSV data patterns are chosen to cause DSV problems for optical disc writers.

Claim 84 (New). A storage device according to claim 81, wherein the DSV data patterns are chosen to ensure that the DSV has a significant absolute value.

Claim 85 (New). A storage device according to claim 81, wherein the DSV data patterns are repeated patterns of values.

Claim 86 (New). A storage device according to claim 81, wherein the size of the DSV data patterns is a predetermined amount.

Claim 87 (New). A storage device according to claim 81, wherein the DSV data patterns are arranged to produce a DSV which has a rapid rate of change.

Claim 88 (New). A storage device according to claim 81, wherein the DSV data patterns are arranged to produce a DSV which has a substantial low frequency component.